

Name

Key

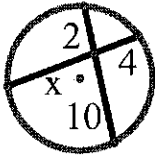
204 Review 11.5-6

Date

Solve for x. (Figures are not drawn to scale.)

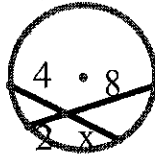
1. 5

$4x = 20$



2. 4

$4x = 16$



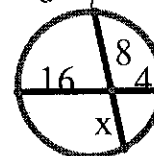
3. 20

$6x = 120$



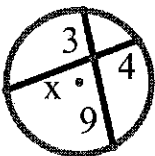
4. 8

$8x = 64$



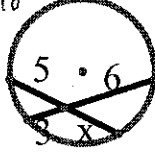
5. 6.75

$4x = 27$



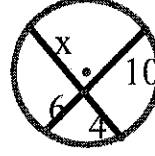
6. 3.6

$5x = 18$



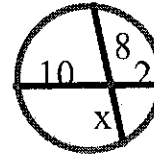
7. 15

$4x = 60$



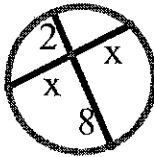
8. 2.5

$8x = 20$



9. 4

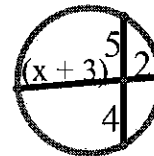
$x^2 = 16$



10. 7

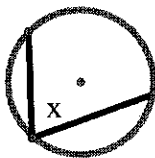
$2(x+3) = 20$

$x+3 = 10$

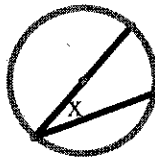


Inscribed angle = $\frac{1}{2}$ arc
 Inside angle = $\frac{1}{2}$ (sum of the arcs)

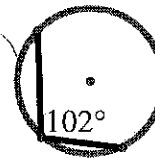
11. 72

 144° 

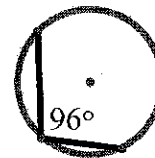
12. 39

 78° 

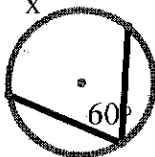
13. 204

 x 

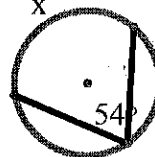
14. 192

 x 

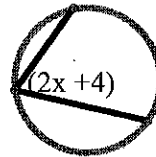
15. 120

 x 

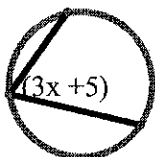
16. 108

 x 

17. 25

 $(2x+4)$ 

18. 17.6

 $(3x+5)$ 

$2x+4 = \frac{1}{2} 108$

$2x = 54$

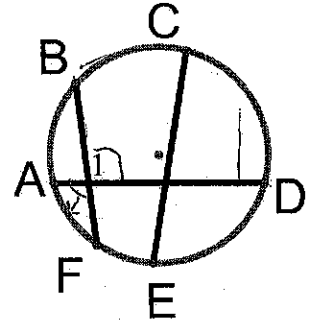
$2x = 54$

$3x+5 = \frac{1}{2} 116$

$3x = 53$

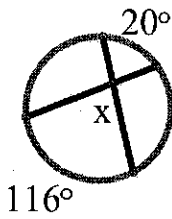
$3x = 53$

19. BD AF Name the two arcs that $\angle 1$ intercepts.



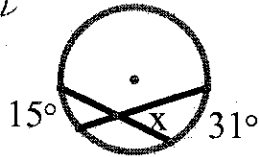
20. 68

$\frac{1}{2} 136$



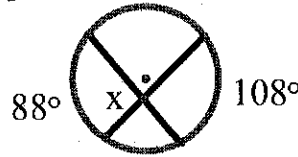
21. 23

$\frac{1}{2} 46$



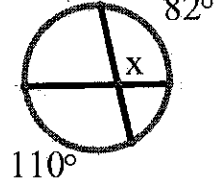
22. 98

$\frac{1}{2} 196$



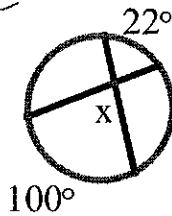
23. 96

$\frac{1}{2} 192$



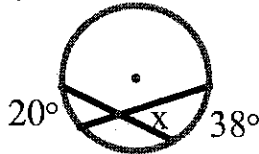
24. 61

$\frac{1}{2} 122$



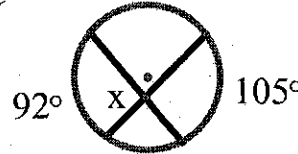
25. 29

$\frac{1}{2} 58$



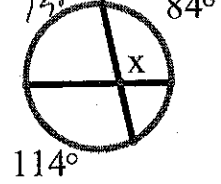
26. 98.5

$\frac{1}{2} (92 + 105)$



27. 99

$x = \frac{1}{2} (84 + 114)$



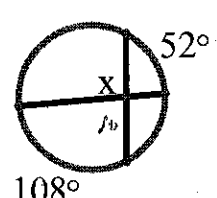
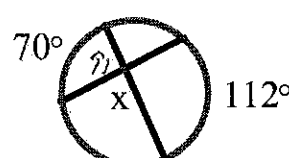
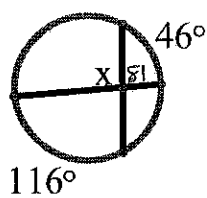
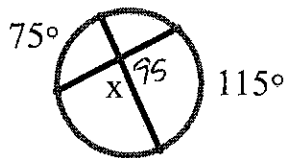
Solve for x. **BE CAREFUL!**

28. 85

29. 99

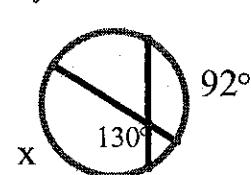
30. 89

31. 100



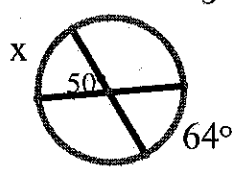
32. 168

$130 = \frac{1}{2} (x + 92)$



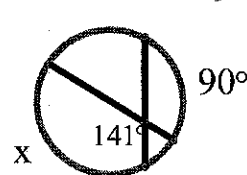
33. 36

$50 = \frac{1}{2} (x + 64)$



34. 192

$141 = \frac{1}{2} (x + 90)$



35. 70

$64 = \frac{1}{2} (x + 58)$

